

(1390 REV. 5-93)-US DEPT. OF COMMERCE PATENT & TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER
109609

**TRANSMITTAL LETTER TO THE
UNITED STATES
DESIGNATED/ELECTED OFFICE
(DO/EO/US) CONCERNING A FILING
UNDER 35 U.S.C. 371**

U.S. APPLICATION NO.
(if known, sec 37 C.F.R.1.5)
09/856,627INTERNATIONAL APPLICATION NO.
PCT/JP00/06824INTERNATIONAL FILING DATE
September 29, 2000PRIORITY DATE CLAIMED
October 1, 1999

TITLE OF INVENTION

INTERCONNECT SUBSTRATE, SEMICONDUCTOR DEVICE, METHODS OF FABRICATING, INSPECTING, AND MOUNTING THE SEMICONDUCTOR DEVICE, CIRCUIT BOARD, AND ELECTRONIC INSTRUMENT

APPLICANT(S) FOR DO/EO/US
Nobuaki HASHIMOTO

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

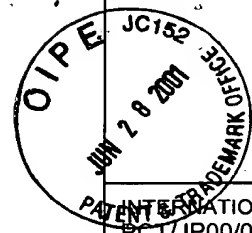
Items 11. to 16. below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.31 is included.
13. ☐ A FIRST preliminary amendment.
- ☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☐ A substitute specification.
15. ☐ Entitlement to small entity status is hereby asserted.
16. ☐ Other items or information:

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U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) 09/856,627		INTERNATIONAL APPLICATION NO. PCT/JP00/06824		ATTORNEY'S DOCKET NUMBER 109609	
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17. <input type="checkbox"/> The following fees are submitted: <div style="margin-left: 20px;"> Basic National fee (37 CFR 1.492(a)(1)-(5)): Search Report has been prepared by the EPO or JPO\$860.00 International preliminary examination fee paid to USPTO (37 CFR1.482)\$690.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2))\$710.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO\$1,000.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)\$ 100.00 ENTER APPROPRIATE BASIC FEE AMOUNT = </div>				CALCULATIONS		PTO USE ONLY	
<div style="margin-left: 20px;"> Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)). </div>				<div style="margin-left: 20px;"> \$ </div>			
Claims	Number Filed	Number Extra	Rate				
Total Claims	- 20 =		X \$ 18.00	\$			
Independent Claims	- 3 =		X \$ 80.00	\$			
Multiple dependent claim(s)(if applicable)			+ \$270.00	\$			
TOTAL OF ABOVE CALCULATIONS =				\$			
Reduction by 1/2 for filing by small entity, if applicable.				-			
SUBTOTAL =				\$			
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 month from the earliest claimed priority date (37 CFR 1.492(f)).				\$			
TOTAL NATIONAL FEE =				\$			
				Amount to be refunded	\$		
				Charged	\$		

a. ☐ Check No. in the amount of \$ to cover the above fees is enclosed.
 b. ☐ Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.
 c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

OLIFF & BERRIDGE, PLC
 P.O. Box 19928
 Alexandria, Virginia 22320

NAME: James A. Oliff
 REGISTRATION NUMBER: 27,075

NAME: Joel S. Armstrong
 REGISTRATION NUMBER: 36,430

Date: June 28, 2001

(1390 Rev.10-00)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Nobuaki HASHIMOTO

Application No.: 09/856,627

Filed: May 24, 2001

Docket No.: 109609

For: INTERCONNECT SUBSTRATE, SEMICONDUCTOR DEVICE, METHODS OF
FABRICATING, INSPECTING, AND MOUNTING THE SEMICONDUCTOR DEVICE,
CIRCUIT BOARD, AND ELECTRONIC INSTRUMENT

INFORMATION DISCLOSURE STATEMENT

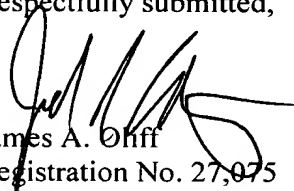
Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of the reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. A partial translation of JP U 1-60543 is attached hereto. JP U 1-60543 was submitted with the May 24, 2001 Information Disclosure Statement.

Respectfully submitted,


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Joel S. Armstrong
Registration No. 36,430

JAO:JSA/zmc
Date: June 28, 2001

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DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
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